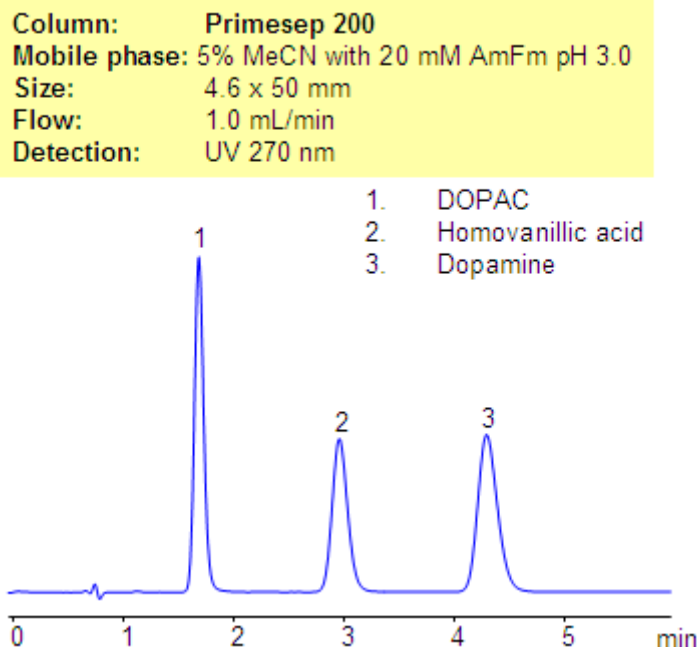


# HPLC Separation of DOPAC, Homovanillic Acid in Dopamine on the Primesep 200 Column

<https://sielc.com/Application-HPLC-Separation-of-DOPAC-Homovanillic-Acid-in-Dopamine-on-the-Primesep-200-Column>

## Chromatogram



## Description

Application Notes: Neurotransmitters DOPAC, homovanillic acid and dopamine were separated by mixed-mode chromatography on Primesep 100 and Primesep 200 HPLC columns. The method can be used for quantification of neurotransmitters with LC/MS compatible conditions. The compounds are retained by combination of reversed-phase, ion-exchange or ion-exclusion mechanisms. The retention time and selectivity of separation can be adjusted by variation of amount of acetonitrile, buffer pH and buffer concentration. Application Columns: Primesep 100, Primesep 200 Application compounds: Dopac, Homovanillic Acid, Dopamine Detection technique: UV, LC/MS, ELSD/CAD

## Method Parameters

<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 5/95%
<b>Buffer</b>	AmFm pH 3.0- 30 mM
<b>Flow Rate</b>	1.0 ml/min
<b>Detection</b>	UV, 270 nm
<b>Class of Compounds</b>	Drug, Acid, Monocarboxylic acid, Hydrophilic, Ionizable, Hormone
<b>Analyzing Compounds</b>	DOPAC, Homovanillic Acid, Dopamine

## HPLC Column Used

**Primesep 200, 4.6x50 mm, 5 µm, 100A**

[Order this column at hplc-shop.de](http://hplc-shop.de) →